Chicken Shop Web Site Documentation

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Index

Page2	**Problem Statement, Software Requirement**
Page3	**Use Case UML Diagram, Source File Structure**
Page4 - Page5	**Core Logic Source Code / Business Logic in Python:**
Page6 - Page7	**Html: home.html**
Page8 - Page9	**Html: result.html**
Page10	**Test Case 1**
Page11	**Test Case2**
Page12	**Test Case3**

Project Source Code on Github :

https://github.com/dev-jaswanthraj/Graspear_Chicken_shop.git

Problem Statement :

1. A poultry shop needs a planning mechanism to identify the optimum required chicken quantity to fulfil with minimum wastage.

   When a chicken is cut, we will get the below items

   1. L - Leg Piece (2 per chicken) 500g
   2. W - Wings (2 per chicken) or 500g
   3. C - Curry Cut (1kg curry)

Assumption: Each chicken weighs 2kg

Condition: Chickens are unlimited

Software Requirements :

1. Create a Web or Mobile Application to identify the required number of chickens to meet the total orders and remaining cut chicken.

   Language:

   A. Python(3.7)

   Markup Language Style :

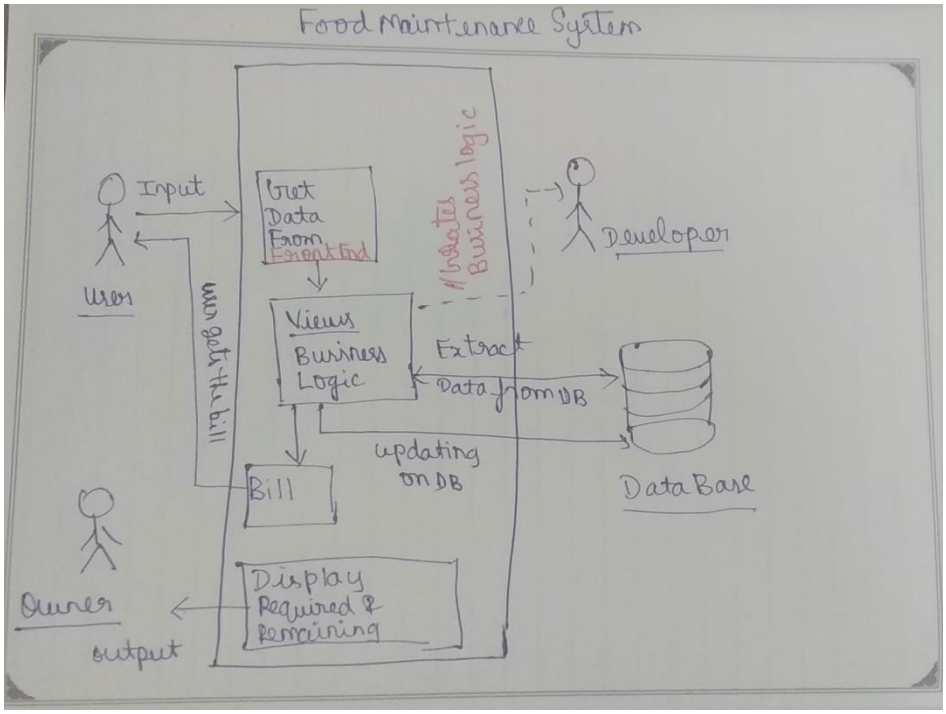
   A. Html

   B. Bootstrap

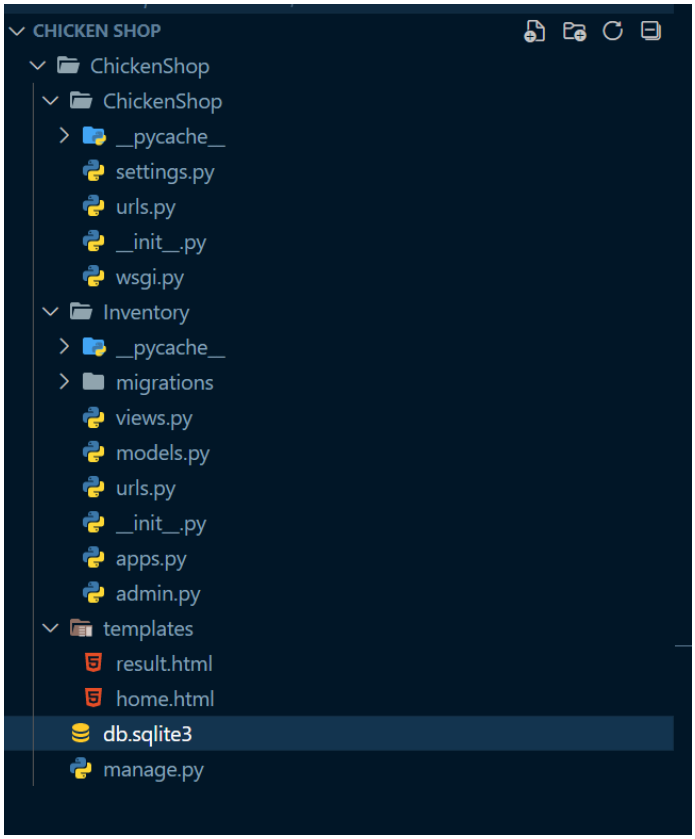
   FrameWork:

   A. Django (3.1v)

Use Case UML Design :



Source File Structure:



Core Logic Source Code / Business Logic in Python:

```
def ChickenRequiment(request):
    if request.method == "POST":
        legs = int(request.POST['Legs'])
        wings = int(request.POST['Wings'])
        cuts = float(request.POST['Cuts'])
        count = ceil(max(legs, wings)/2)
        l = (legs*0.25)
        w = (wings*0.25)
        rem_kg = (count*2)-(l+w)
        check = rem_kg - cuts
        if(check == 0):
            context = {
                "RQ":count,
                "L":0,
                "W":0,
                "C":0
            }
        elif(check < 0):
            print(check)
            count += ceil(abs(check)/2)
            context = {
                "RQ":count,
                "L":legs,
                "W":wings,
                "C":(count*2)-abs(check),
            }
```

```
    else:
        r_l = (count*2)-legs
        r_w = (count*2)-wings
        context = {
            "RQ":count,
            "L":r_l,
            "W":r_w,
            "C":check-((r_w+r_l)*0.25)
        }
    return render(request, "result.html", context )
```

Html Code:

// home.html

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta http-equiv="X-UA-Compatible" content="IE=edge">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <!-- CSS only -->
   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"
crossorigin="anonymous">
   <title>Chicken Shop</title>
   <style>
      body{
         padding: 50px;
      }
      input{
         border-radius: 0% !important;
      }
   </style>
</head>
<body>
   <h1>Chicken Shop</h1>
      <form class="form-inline centered" action="{% url 'calculator' %}" method="post">
         {% csrf_token %}
         <div class="form-group mx-sm-3 mb-2 align-items-center">
           <label for="inputPassword2" class="sr-only">Leg Piece (0.250 g / Piece)</label>
```

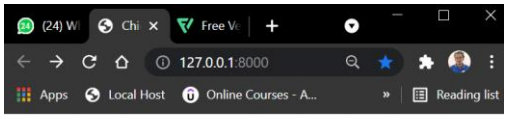
```
        <input type="text" class="form-control" id="inputPassword2" placeholder="Leg Piece" name="Legs">

        </div>

        <div class="form-group mx-sm-3 mb-2">

          <label for="inputPassword2" class="sr-only">Wing Piece (0.250 g / Piece)</label>

          <input type="text" class="form-control" id="inputPassword2" placeholder="Wing Piece" name="Wings" >

        </div>

        <div class="form-group mx-sm-3 mb-2">

          <label for="inputPassword2" class="sr-only">Seperatly cut meat (in Kgs)</label>

          <input type="text" class="form-control" id="inputPassword2" placeholder="Cut Meat" name="Cuts" step="0.01">

        </div>

        <button type="submit" class="btn btn-primary mb-2">Generate</button>

      </form>

</body>

<!-- JavaScript Bundle with Popper -->

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.bundle.min.js" integrity="sha384-/bQdsTh/da6pkI1MST/rWKFNjaCP5gBSY4sEBT38Q/9RBh9AH40zEOg7Hlq2THRZ" crossorigin="anonymous"></script>

</html>
```

// results.html

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta http-equiv="X-UA-Compatible" content="IE=edge">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU"
crossorigin="anonymous">
   <title>Result</title>
   <style>
      body{
         padding: 100px;
      }
      .card-body{
         box-shadow: 5px 5px rgb(100, 87, 87);
      }
   </style>
</head>
<body>
   <div class="card">
      <div class="card-body">
         <h1>Required Chicken : {{RQ}}</h1> <br>
      </div>
     </div>
     <br><div class="card">
      <div class="card-body">
```

```
        <h1>Remaining legs : {{L}}</h1>
      </div>
    </div>
    <br><div class="card">
      <div class="card-body">
        <h1>Remaining wings : {{W}}</h1>
      </div>
    </div>
    <br><div class="card">
      <div class="card-body">
        <h1>Remaining Cuts : {{C}} Kgs</h1>
      </div>
    </div>
    <br>
</body>
</html>
```

Test Case 1:



Chicken Shop

Leg Piece (0.250 g / Piece)

6

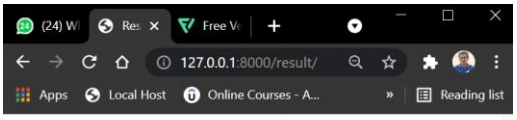
Wing Piece (0.250 g / Piece)

11

Seperatly cut meat (in Kgs)

3

Generate



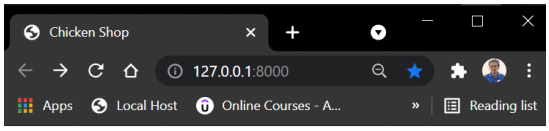
Required Chicken : 6

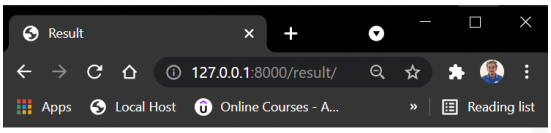
Remaining legs : 6

Remaining wings : 1

Remaining Cuts : 3.0 Kgs

Test Case 2:





Chicken Shop

Leg Piece (0.250 g / Piece)

4

Wing Piece (0.250 g / Piece)

2

Seperatly cut meat (in Kgs)

2

Generate

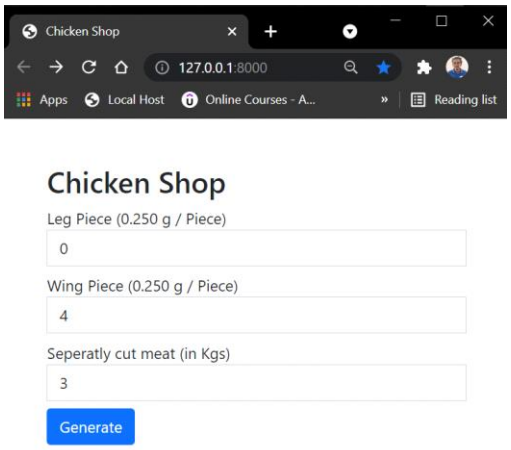
Required Chicken : 2

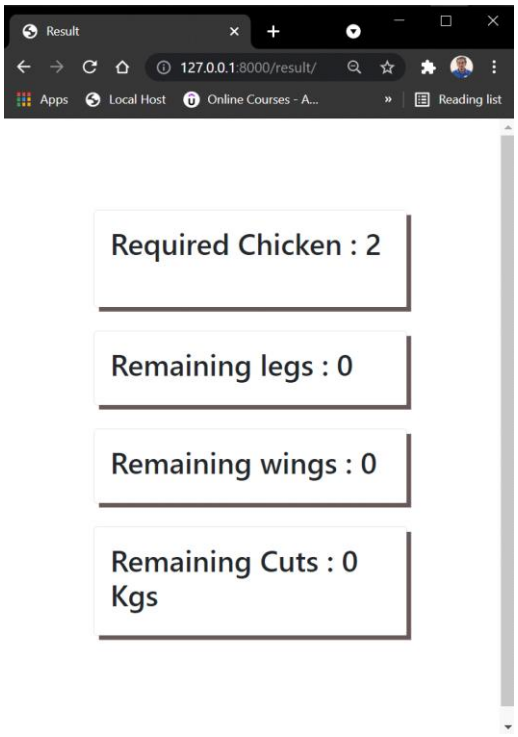
Remaining legs : 0

Remaining wings : 2

Remaining Cuts : 0.0 Kgs

Test Case 3:


Chicken Shop
127.0.0.1:8000
Apps
Local Host
Online Courses - A...
Reading list
Chicken Shop
Leg Piece (0.250 g / Piece)
0
Wing Piece (0.250 g / Piece)
4
Seperatly cut meat (in Kgs)
3
Generate


Result
127.0.0.1:8000/result/
Apps
Local Host
Online Courses - A...
Reading list
Required Chicken : 2
Remaining legs : 0
Remaining wings : 0
Remaining Cuts : 0 Kgs